

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claim 21 and AMEND claims 1, 6-10 and 18 in accordance with the following:

1. (Currently Amended) A broadcast type communication data distribution device distributing data in a network, comprising:

a broadcast type communication data recognition unit ~~analyzing a source address in receiving, as data received from a sender, segments of broadcast type communication data received from a sender~~ sent through the network in the form of as a uni-cast communication and ~~analyzing whether the data is broadcast type communication data, and when one of a plurality of segments of broadcast type communication data is received from the sender, further extracting, from the~~ a source address of the data, an identifier ~~of the received data~~ and control information ~~about including a command and/or information specifying a relay and copy/transfer of the data received data, based on the analysis of~~ from the sender, by analyzing a source address field of the data;

a broadcast type communication control table storage unit storing an address of a receiver for which the data should be copied and transferred, and a data transfer available/unavailable flag addressed to the receiver, in relation to the identifier of the ~~broadcast type communication data~~;

and
a copy/transfer unit relaying the data to an addressed receiver, copying the data and transferring the data to one or more receivers other than the addressed receiver or another distribution device through the network, based on the address of the receiver for which the data should be copied and transferred and the data transfer available/unavailable flag stored in the broadcast type communication control table storage unit, ~~if the data is broadcast type communication data~~.

Claims 2-5 (Cancelled)

6. (Currently Amended) The broadcast type communication data distribution device according to claim 1, wherein when said broadcast type communication data recognition unit extracts a command from the control information indicating ~~the~~ an addition of a receiver, ~~which is control information,~~ said broadcast communication control table storage unit adds ~~the~~ a destination address of the data as a receiver address in relation to the identifier of the data ~~received data from the sender.~~

7. (Currently Amended) The broadcast type communication data distribution device according to claim 1, wherein when said broadcast type communication data recognition unit extracts a command from the control information indicating ~~the~~ a deletion of a receiver, ~~which is control information,~~ said broadcast communication control table storage unit deletes an entry having ~~the~~ a receiver address that matches a destination address of the data ~~as a receiver address,~~ in relation to the identifier of the data ~~received data from the sender.~~

8. (Currently Amended) The broadcast type communication data distribution device according to claim 1, wherein when said broadcast type communication data recognition unit extracts a command from the control information indicating ~~the~~ a deletion of all receivers of broadcast type communication data corresponding to the identifier of the data, ~~which is control information,~~ said broadcast communication control table storage unit deletes all entries having the identifier in its entry, in relation to the identifier of the data ~~received data from the sender.~~

9. (Currently Amended) The broadcast type communication data distribution device according to claim 1, wherein when said broadcast type communication data recognition unit extracts a command from the control information indicating ~~the~~ a stoppage of data distribution to a receiver, ~~which is control information,~~ said broadcast communication control table storage unit sets the data transfer available/unavailable flag of a receiver address that matches the destination address of the data ~~received data from the sender,~~ to "transfer unavailable" ~~unavailable.~~

10. (Currently Amended) The broadcast type communication data distribution device according to claim 1, wherein when said broadcast type communication data recognition unit extracts a command from the control information indicating ~~the~~ a re-start of data distribution to a receiver, ~~which is control information,~~ said broadcast communication control table storage unit

sets the data transfer available/unavailable flag of a receiver address that matches the destination address of the data received data from the sender, to ~~"transfer available"~~ available.

11. (Previously Presented) The broadcast type communication data distribution device according to claim 1, wherein

said copy/transfer unit relays or copies/transfers all segments of data received from the sender, including the control information extracted by the broadcast type communication data recognition unit.

12. (Previously Presented) The broadcast type communication data distribution device according to claim 1, wherein

said copy/transfer unit converts the control information extracted by said broadcast type communication data recognition unit into scrambled information received from the sender and relays or copies/transfers the converted data.

13. (Previously Presented) The broadcast type communication data distribution device according to claim 1, wherein when a target for which data is relayed or copied/transferred is a receiver of the data,

said copy/transfer unit converts the control information extracted by said broadcast type communication data recognition unit into scrambled information received from the sender and relays or copies/transfers the converted data.

14. (Previously Presented) The broadcast type communication data distribution device according to claim 1, wherein the data received from the sender includes no data to be finally provided for a receiver.

15. (Previously Presented) The broadcast type communication data distribution device according to claim 1, wherein

said broadcast type communication data recognition unit analyzes a source address, which is a private address of a MAC address in an Ethernet, and recognizes data in a layer 2 network.

16. (Previously Presented) The broadcast type communication data distribution device according to claim 1, wherein

said broadcast type communication data recognition unit analyzes a source address, which is an Internet protocol address, and recognizes data in a layer 3 network.

17. (Previously Presented) The broadcast type communication data distribution device according to claim 1, wherein

said broadcast type communication data recognition unit analyzes a source address, which is a port number of a user data protocol or a transmission control protocol, and recognizes data in a layer 4 network.

18. (Currently Amended) A broadcast type communication system conducting broadcast type communications, comprising:

a transmitter device transmitting broadcast type communication data to a receiver through a network in the form of uni-cast communication, the broadcast type communication data including an identifier and control information including a command and/or information specifying a relay and copy/transfer of the broadcast type communication data;

a broadcast type communication control table storage unit storing an address of a receiver for which the data should be copied and transferred, and a data transfer available/unavailable flag addressed to the receiver, in relation to the identifier of the broadcast type communication data; and

a distribution device provided between a sender and a plurality of receivers, that relays data received from a sender through a network to an addressed receiver and also copies/transfers the data to one or more receivers other than the address receiver, based on the address of the receiver for which the data should be copied and transferred and the data transfer available/unavailable flag stored in the broadcast type communication control table storage unit, if the data is broadcast type communication data.

Claims 19-21 (Cancelled)